

Instructions for Supplemental Permit Application Form

STACK PARAMETERS

(Instructions for completing DEP-AIR-APP-211)

All applicants for a permit for a stationary source, as defined in Section 22a-174-1 of the Regulations of Connecticut State Agencies (RCSA), must complete the appropriate supplemental application forms to provide information to quantify the emissions from each source or point of emissions which makes up that stationary source.

This supplemental application form must be completed to provide the parameters of *each* stack used by each unit. Complete each item as appropriate. If a particular item does not apply to your situation mark it N/A (not applicable). If additional space is needed to answer a question stated in the application, attach separate sheet(s) as necessary, clearly identifying the applicant name, form name and item number, and unit number.

Note: If the exhaust point discharges indoors, use the building exhaust nearest the unit in completing this form.

Air Pollution® (DEP-AIR-INST-200) for an example of how to assign reference numbers to each unit.

Section I: Stack Parameters

1. *Stack Number* - Assign a reference number to each stack that correlates with the unit number assigned to the unit which uses the stack. Base this reference number on the same numbering system that was used in completing Part I: Application and Source Type of the form *Permit Application for New Source Review Stationary Sources of Air Pollution* (DEP-AIR-APP-200). For example if the unit number assigned to a particular unit is U1, the stack number should be S1. If there is more than one stack for a particular unit then assign reference numbers such as S1a and S1b, etc. If more than one unit uses the same stack, then assign a number to the stack that correlates with each unit number. For example, if unit numbers assigned were U1, U2, U3, then assign a reference number to the stack such as S1-2-3. Please use a consistent reference number for each stack throughout the application package. See the sample process flow diagram included in the ~~A~~Instructions for Completing the Permit Application for New Source Review Stationary Sources of

2. *Unit Number* - Identify the reference or unit number(s) assigned to the unit(s) which is vented to the stack. Use the same numbering system that was used in completing Part I: Application and Source Type of the form *Permit Application for New Source Review Stationary Sources of Air Pollution* (DEP-AIR-APP-200). Please use a consistent reference number for each unit throughout the application package. Include other units previously constructed which are vented to the same stack. Assign reference numbers to the previously constructed units which begin with the letter "P". For example, if the unit number assigned to a particular unit is U1, the stack number assigned should be S1 and the previously constructed unit vented to this same stack should be assigned a reference number P1. If there is more than one previously constructed unit vented to this stack, then assign reference numbers such as P1a and P1b, etc. Use the same reference number assigned to a stack for the previously constructed units except replace the "S" with a "P" and add a, b, c, etc., if applicable.

3. *Control Equipment Number* - Identify the reference number(s) assigned to each distinct piece of control equipment which is vented to the stack. Use the same numbering system that was used in completing Section I of the form *Air Pollution Control Equipment* (DEP-AIR-APP-210). Please use a consistent reference number for each distinct piece of control equipment throughout the application package.
4. *Stack Height* - Indicate the stack height in feet *above* grade. If there is no stack for a particular unit, enter the minimum height of release under "Height".
5. *Stack Diameter* - Indicate the stack inner diameter in feet at the stack exit. If the stack is rectangular, specify the dimensions. If there is no stack for a particular unit, write N/A (not applicable).
6. *Stack Exit Temperature* - Indicate the stack exit temperature in °F assuming that all units to a common stack are in operation.
7. *Minimum Stack Exhaust Flow Rate* - Indicate the minimum stack exhaust flow rate at the unit's maximum rated capacity in actual cubic feet per minute, assuming all units to a common stack are in operation.
8. *Stack Exit Direction* - Indicate the stack exit direction ("H" for horizontal; "V" for vertical).
9. *Rain Hat?* - Indicate if stack is equipped with a rain hat ("Y" for yes; "N" for no).
10. *Stack Lining* - Indicate the stack lining material (e.g., *metal*, refractory, etc.).
11. *Distance to Property Line* - Indicate the linear distance in feet from the stack base to the nearest property line.